

January-29-13 9:00:35 AM

**Item ID:** D412-761-111

**Accept**

**\*N900040100\***

Setup Start \*NS1\*

**Revision ID:**

**Item Name:** Wiring Harness

Stop \*NS2\*

**Start Date:** 1/02/13      **Start Qty:** 1.00      **\*1\***

**Cust Item ID:**

**Required Date:** 1/31/13      **Req'd Qty:** 1.00      **\* 1 \***

**Customer:**

**Reference:**

Approvals: Process Plan: W Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_  
QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Run Start \*NR1\*

Stop \*NR2\*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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<b>Draw Nbr</b>	<b>Revision Nbr</b>
-----------------	---------------------

D412-761-111

B

0.00

0.00

0.00

0.00

0.00

0.00

**\*100\***

Purchasing

## Purchasing

## Memo

ISSUE P/O: 18007  
POSSIBLE SUPPLIER: EAGLE  
C OF C REQUIRED

## Memo

Receive & Inspect for Damage & Mat'l Certs

QC5- Inspect part completeness to step on W/O

120

**\*120\***

QC

## Quality Control

**DAS**  
**16**  
**9-69**

13/2/5

u 13.01.17

16/3/17

⑥

NCR: Yes / No

## WORK ORDER NON-CONFORMANCE / UPDATE

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____  Part No. _____  NCR No. _____	<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>	<b>AGAINST DEPARTMENT/PROCESS</b>  <table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data									
Equip/Tooling									
Operator									
Material									
Setup									
Other									
Process									
Supplier									
Training									
Unapproved									

### FAULT CATEGORY

<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped. <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio	<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions
		<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge
		<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other

# Work Order ID 95227

January-29-13 9:00:35 AM

**\*95227\***

Page 2

Item ID: D412-761-111

Accept

**\*N900040100\***

Setup Start **\*NS1\***

Revision ID:

Item Name: Wiring Harness

Stop **\*NS2\***

Start Date: 1/02/13 Start Qty: 1.00

**\*1\***

Cust Item ID:

Required Date: 1/31/13 Req'd Qty: 1.00

**\*1\***

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start **\*NR1\***

QC:

Date:

SPC (Y/N):

Date:

Stop **\*NR2\***

Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Tool ID

Tool #

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

130

Identify as per dwg & Stock Location:

0.00

**\*130\***

Packaging

Memo

*STIRP*

0.00

Packaging

*93/2/5*

140

QC21- Final Inspection - Work Order Release

0.00

**\*140\***

QC

Memo

0.00

Quality Control

*CHG001*

*13/2/6*

*PLB-02-5*

NCR: Yes / No

**WORK ORDER NON-CONFORMANCE / UPDATE**

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____  Part No. _____  NCR No. _____	<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>	<b>AGAINST DEPARTMENT/PROCESS</b>  <table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
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Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data									
Equip/Tooling									
Operator									
Material									
Setup									
Other									
Process									
Supplier									
Training									
Unapproved									

**FAULT CATEGORY**

Landing Gear	General	Other	Other
<input type="checkbox"/> Bending	<input type="checkbox"/> Bend	<input type="checkbox"/> Grain	<input type="checkbox"/> Ovalized
<input type="checkbox"/> Centre Not Concentric to O/S	<input type="checkbox"/> BOM/Route	<input type="checkbox"/> Hardware	<input type="checkbox"/> Over/Under tolerance
<input type="checkbox"/> Cracks	<input type="checkbox"/> Broken/Damaged	<input type="checkbox"/> Inspection Incomplete	<input type="checkbox"/> Part Incorrect
<input type="checkbox"/> Crushed/Crimped.	<input type="checkbox"/> Burrs	<input type="checkbox"/> Instructions Incomplete/Unclear	<input type="checkbox"/> Part Lost/Missing
<input type="checkbox"/> Cuffs	<input type="checkbox"/> Contamination	<input type="checkbox"/> Maintenance	<input type="checkbox"/> Part Moved
<input type="checkbox"/> Heat Treat	<input type="checkbox"/> Countersink	<input type="checkbox"/> Mislabeled	<input type="checkbox"/> Positioned Wrong
<input type="checkbox"/> Inspection Strip in Tube	<input type="checkbox"/> Cut Too Short	<input type="checkbox"/> Misread	<input type="checkbox"/> Power Loss/Surge
<input type="checkbox"/> Ripples in Bend	<input type="checkbox"/> Drill Holes	<input type="checkbox"/> Offset	<input type="checkbox"/> Pressure/Forced
<input type="checkbox"/> Torque Waves in Extrusion	<input type="checkbox"/> Drawing	<input type="checkbox"/> Out of Calibration	<input type="checkbox"/> Temperature/Cure
<input type="checkbox"/> Turning Sequence	<input type="checkbox"/> Finish	<input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Weld
<input type="checkbox"/> Wave/Twist in Tube	<input type="checkbox"/> Folio	<input type="checkbox"/> Outside Dimensions	<input type="checkbox"/> Wrong Stock Pulled
			<input type="checkbox"/> Other

# Picklist Print

January-29-13 9:00:35 AM

Page 1

Work Order ID: 95227

Parent Item: D412-761-111

Start Date: 1/02/13

Required Date: 1/31/13

Parent Item Name: Wiring Harness

Start Qty: 1.00

Required Qty: 1.00

Comments: UIPP REV:A NEW ISSUE 13-01-02 JLM VERIFIED BY:DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D412-761-111P Wiring Harness		Purchased	No				Each	1.0000		1			

Location

Loc Qty

Loc Code

ST271A

1

124304

1

1

U 13-01-29

NCR: Yes / No

## WORK ORDER NON-CONFORMANCE / UPDATE

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____  Part No. _____  NCR No. _____	<b>DISPOSITION</b>  <div style="display: flex; justify-content: space-around;"> <div>             Rework <input type="checkbox"/>              Scrap <input type="checkbox"/>              Use-as-is <input type="checkbox"/>              Work Order Update <input type="checkbox"/> </div> <div>             Skid-tube <input type="checkbox"/>              Machining <input type="checkbox"/>              Thermoforming <input type="checkbox"/>              Large Fab <input type="checkbox"/> </div> <div>             Crosstube <input type="checkbox"/>              Small Fab <input type="checkbox"/>              Finishing <input type="checkbox"/>              Composite <input type="checkbox"/> </div> <div>             Water Jet <input type="checkbox"/>              Prod. Eng. Coord. <input type="checkbox"/>              Rec/Store/Packaging <input type="checkbox"/>              Supplier <input type="checkbox"/> </div> <div>             Engineering <input type="checkbox"/>              Quality <input type="checkbox"/>              Other <input type="checkbox"/> </div> </div>	
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Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data									
Equip/Tooling									
Operator									
Material									
Setup									
Other									
Process									
Supplier									
Training									
Unapproved									

### FAULT CATEGORY

<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped. <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio	<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions  <input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge
		<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled  <input type="checkbox"/> Other

LIST OF MATERIALS				
ITEM	QTY	PART NUMBER	DESCRIPTION	SUPPLIER
1	1	MS3121F10-6P ✓	CONNECTOR, RECEPTACLE (J27)	
2	AR (30)	M39029/31-240	CONTACTS, PINS	
3	1	MS3126E10-6P ✓	CONNECTOR, PLUG (P27A)	
4	AR (30)	M39029/32-259	CONTACTS, SOCKET	
5	1	MS3121F12-10P ✓	CONNECTOR, RECEPTACLE (J29)	
6	1	MS3126E12-10S ✓	CONNECTOR, PLUG (P29A)	
7	1	MS3121F12-10PW ✓	CONNECTOR, RECEPTACLE (J238)	
8	1	MS3126E12-10SW ✓	CONNECTOR, PLUG (P238A)	
9	1	LED-40-17-HK-35402 ✓	ANNUNCIATOR (MASTER CAUTION)	VIVISUN
10	1	LED-40-17-HK-E05HM ✓	ANNUNCIATOR (ENGINE FIRE 1)	VIVISUN
11	1	LED-40-17-HK-E05HN ✓	ANNUNCIATOR (ENGINE FIRE 2)	VIVISUN
12	3	18-200 ✓	QUIK-CONNECTOR, PLUG	VIVISUN
13	1	MS3474W20-41P ✓	CONNECTOR, RECEPTACLE (J1007)	
14	AR (35)	M39029/4-110	CONTACTS, PINS	
15	1	MS3476W20-41S ✓	CONNECTOR, PLUG (P1007)	
16	AR (35)	M39029/5-115	CONTACTS, SOCKETS	
17	2	M85049/52S-20W ✓	BACKSHELL	
18	AR	MS3121F8-33P ✓	CONNECTOR, RECEPTACLE (J165)	
19	AR	MS3126E8-33S ✓	CONNECTOR, PLUG (J165A)	
20	AR	MS3121F8-33PW ✓	CONNECTOR, RECEPTACLE (J166)	
21	AR	MS3126E8-33SW ✓	CONNECTOR, PLUG (J166A)	
22	1	D3705-11 ✓	INSTRUMENT FACE PLATE	DART AEROSPACE
23	1	18-258 ✓	PANEL PLUG, BLACK	VIVISUN

\_\_\_\_\_ NEW WIRE / UNIT  
 - - - - - EXISTING WIRE / UNIT

#### NOTES:

- ALL NEW UNSHIELDED WIRE USE M22759/41-xx-9 TYPE WIRE UNLESS OTHERWISE SPECIFIED.
- ALL NEW TWISTED SHIELDED CABLE USE M27500-xxSMxT23 TYPE CABLE UNLESS OTHERWISE SPECIFIED.
- ALL WIRES 22 AWG UNLESS OTHERWISE SPECIFIED.
- IDENTIFY/CODE ALL WIRES AND CABLES IN ACCORDANCE WITH BHT-ELEC-SPM CHAPTER 3.
- KEEP ALL JUMPERS, SHIELD GND'S AND LOGIC STRAP WIRES AS SHORT AS POSSIBLE.
- KEEP ALL POWER AND CHASSIS GROUND WIRES AS SHORT AS POSSIBLE.
- ALL SPLICES MUST CONFORM TO MIL-S-81824, OR EQUIVALENT AND BE INSTALLED IN ACCORDANCE WITH BHT-ELEC-SPM CHAPTER 4.
- ALL TERMINALS TO BE INSTALLED IN ACCORDANCE WITH BHT-ELEC-SPM CHAPTER 4.
- ALL ELECTRICAL GROUNDING AND BONDING TO BE CARRIED OUT PER BHT-ELEC-SPM CHAPTER 8.
- PROVIDE SEPARATE GROUND STUD LOCATIONS FOR DC POWER GROUNDS, AC POWER GROUNDS, CHASSIS GROUNDS AND SHIELD GROUNDS.
- ALL CONNECTORS TO BE INSTALLED IN ACCORDANCE WITH BHT-ELEC-SPM CHAPTER 5.
- ENSURE ALL UNUSED CONNECTOR CONTACTS ARE FILLED WITH SPARE PINS/sockets OR PLASTIC GROMMET SEALING PLUGS.
- ROUTE ALL WIRES AND CABLES WITH EXISTING WIRE AND CABLE RUNS IN ACCORDANCE WITH BHT-ELEC-SPM CHAPTER 6.
- REMOVE INDICATOR FROM CO-PILOTS INSTRUMENT PANEL AND INSTALL IN VERTICAL REFERENCE DOOR.
- A DOT (•) BEFORE A CONNECTOR CONTACT LETTER DENOTES LOWER CASE.

B	CHANGED PIN DESIGNATIONS FOR PJ1007	DJR	12.03.21
A	NEW ISSUE	KB	08.11.06
REV.	DESCRIPTION	BY	DATE
DESIGN	JB	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	JDK		
CHECKED	JB	DRAWING NO.	REV. B
MFG. APPR.	GR	D412-761-111	SHEET 1 OF 2
APPROVED	JB	TITLE	SCALE
DE APPR.	JB	VRD - REQUIRED WIRING	NTS
DATE	12.03.21	COPYRIGHT © 2008 BY DART AEROSPACE LTD <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

NCR: Yes / No

**WORK ORDER NON-CONFORMANCE / UPDATE**

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

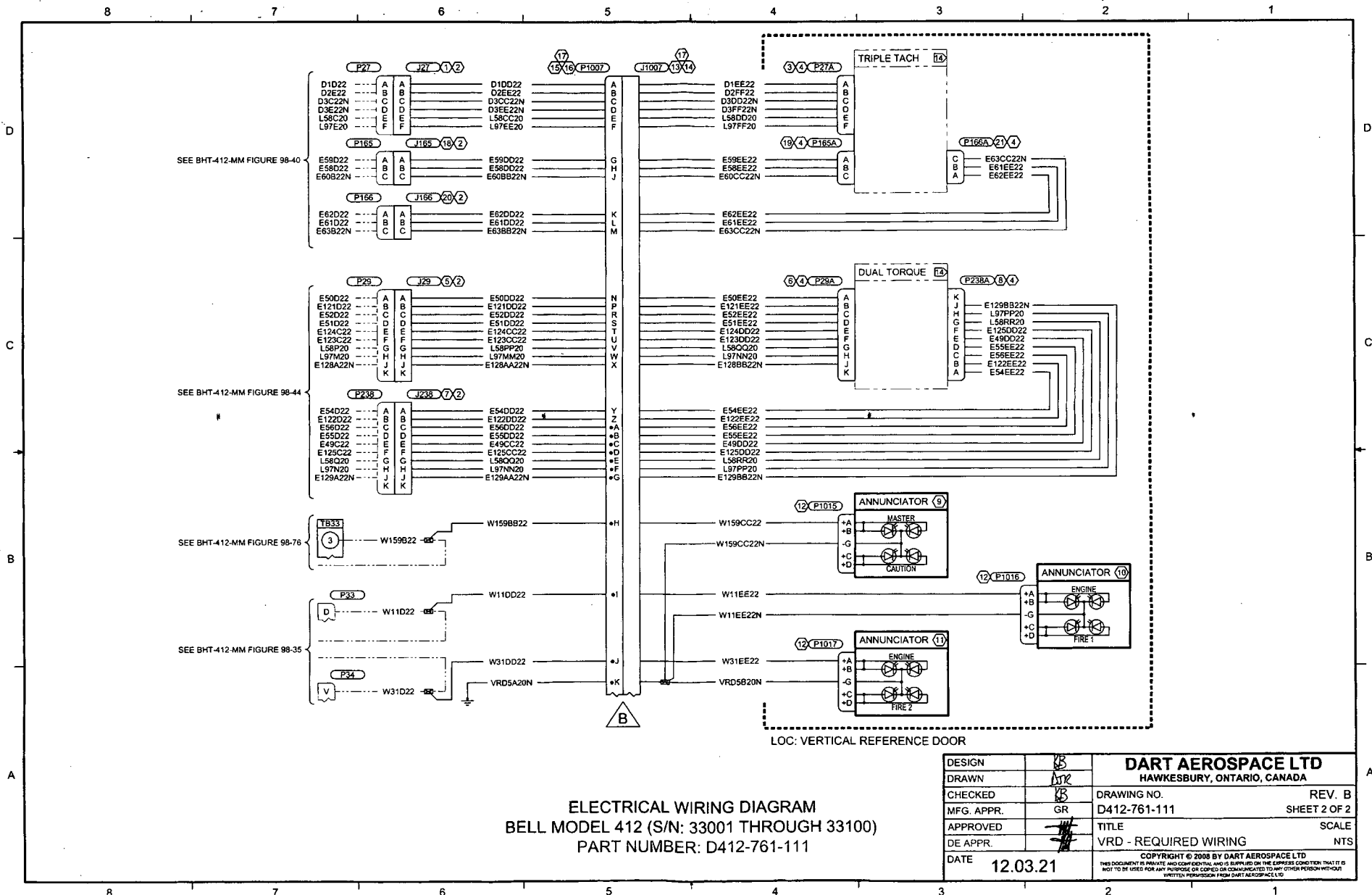
Work Order: _____  Part No. _____  NCR No. _____	<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>	<b>AGAINST DEPARTMENT/PROCESS</b>  <table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
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Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data									
Equip/Tooling									
Operator									
Material									
Setup									
Other									
Process									
Supplier									
Training									
Unapproved									

**FAULT CATEGORY**

Landing Gear	General	Other
<input type="checkbox"/> Bending	<input type="checkbox"/> Bend	<input type="checkbox"/> Grain
<input type="checkbox"/> Centre Not Concentric to O/S	<input type="checkbox"/> BOM/Route	<input type="checkbox"/> Hardware
<input type="checkbox"/> Cracks	<input type="checkbox"/> Broken/Damaged	<input type="checkbox"/> Inspection Incomplete
<input type="checkbox"/> Crushed/Crimped	<input type="checkbox"/> Burrs	<input type="checkbox"/> Instructions Incomplete/Unclear
<input type="checkbox"/> Cuffs	<input type="checkbox"/> Contamination	<input type="checkbox"/> Maintenance
<input type="checkbox"/> Heat Treat	<input type="checkbox"/> Countersink	<input type="checkbox"/> Misabeled
<input type="checkbox"/> Inspection Strip in Tube	<input type="checkbox"/> Cut Too Short	<input type="checkbox"/> Misread
<input type="checkbox"/> Ripples in Bend	<input type="checkbox"/> Drill Holes	<input type="checkbox"/> Offset
<input type="checkbox"/> Torque Waves in Extrusion	<input type="checkbox"/> Drawing	<input type="checkbox"/> Out of Calibration
<input type="checkbox"/> Turning Sequence	<input type="checkbox"/> Finish	<input type="checkbox"/> Out of Sequence
<input type="checkbox"/> Wave/Twist in Tube	<input type="checkbox"/> Folio	<input type="checkbox"/> Outside Dimensions
		<input type="checkbox"/> Ovalized
		<input type="checkbox"/> Over/Under tolerance
		<input type="checkbox"/> Part Incorrect
		<input type="checkbox"/> Part Lost/Missing
		<input type="checkbox"/> Part Moved
		<input type="checkbox"/> Positioned Wrong
		<input type="checkbox"/> Power Loss/Surge
		<input type="checkbox"/> Pressure/Forced
		<input type="checkbox"/> Temperature/Cure
		<input type="checkbox"/> Weld
		<input type="checkbox"/> Wrong Stock Pulled
		<input type="checkbox"/> Other





NCR: Yes / No

**WORK ORDER NON-CONFORMANCE / UPDATE**

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____  Part No. _____  NCR No. _____				<b>DISPOSITION</b>  <div style="display: flex; justify-content: space-around;"> <div style="text-align: right;">             Rework <input type="checkbox"/>              Scrap <input type="checkbox"/>              Use-as-is <input type="checkbox"/>              Work Order Update <input type="checkbox"/> </div> <div style="text-align: right;">             Skid-tube <input type="checkbox"/>              Machining <input type="checkbox"/>              Thermoforming <input type="checkbox"/>              Large Fab <input type="checkbox"/> </div> <div style="text-align: right;">             Crosstube <input type="checkbox"/>              Small Fab <input type="checkbox"/>              Finishing <input type="checkbox"/>              Composite <input type="checkbox"/> </div> <div style="text-align: right;">             Water Jet <input type="checkbox"/>              Prod. Eng. Coord. <input type="checkbox"/>              Rec/Store/Packaging <input type="checkbox"/>              Supplier <input type="checkbox"/> </div> <div style="text-align: right;">             Engineering <input type="checkbox"/>              Quality <input type="checkbox"/>              Other <input type="checkbox"/> </div> </div>		<b>AGAINST DEPARTMENT/PROCESS</b>						
<b>Root Cause</b>	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector			
Doc/Data <input type="checkbox"/>												
Equip/Tooling <input type="checkbox"/>												
Operator <input type="checkbox"/>												
Material <input type="checkbox"/>												
Setup <input type="checkbox"/>												
Other <input type="checkbox"/>												
Process <input type="checkbox"/>												
Supplier <input type="checkbox"/>												
Training <input type="checkbox"/>												
Unapproved <input type="checkbox"/>												

FAULT CATEGORY				
<b>Landing Gear</b>  <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped. <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	<b>General</b>  <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio	<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions	<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge	<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled  <input type="checkbox"/> Other

18621

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**Brigitte Golden**

**From:** Crystal Benoit <cbenoit@eaglecopters.com>  
**Sent:** Wednesday, January 02, 2013 4:16 PM  
**To:** 'Brigitte Golden'  
**Cc:** 'L Lacelle'  
**Subject:** RE: New PO18683 from Dart

Happy New Year.

Delivery will be January 17, 2013  
Cost is \$3,850.00

Have a great day,

**Crystal Benoit**

Maintenance Planning Administrator  
Eagle Copters Maintenance Ltd.  
Ph: 403.250.7370, Fax: 403.250.7584  
[www.eaglecopters.com](http://www.eaglecopters.com)

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**From:** Brigitte Golden [<mailto:bgolden@dartaero.com>]  
**Sent:** Wednesday, January 02, 2013 11:35 AM  
**To:** [cbenoit@eaglecopters.com](mailto:cbenoit@eaglecopters.com)  
**Cc:** L Lacelle  
**Subject:** New PO18683 from Dart  
**Importance:** High

Good Day Crystal!  
Please confirm price and Delivery for this new PO attached.

Thank You

Brigitte Golden  
Order Processing  
***DART AEROSPACE Ltd.***

1270 Aberdeen Street  
Hawkesbury Ontario  
Canada K6A 1K7  
**Tel: (613) 632-5200 Ext 224**  
**Fax: (613) 632-1053**

[bgolden@dartaero.com](mailto:bgolden@dartaero.com)



Please consider your environmental responsibility before printing this e-mail

Work Order Number: 49885

Build Wiring Harness

*This Work Report forms part of this aircraft's permanent technical records - DO NOT DESTROY.*

Item: 1 Wiring Harness

**Squawk: 1.1****Discrepancy:**

Build Wiring Harness

**Resolution:**

Fabricated Harness P/N:

D412-761-111IAW STC

SH09-4 Issue 2.

**1.1** Work Done By: Eric Olberg*The maintenance described above has been performed in accordance with the applicable standards of airworthiness.***AMO 6-81** Signature: Ljubomir Jovicic on 1/16/2013**Parts:**

Part Number	Description	Serial Number	Lot Number	Condition	Qty
MS3121F10-6P	CONNECTOR		LT-12-011834	New	1
MS3126E10-6P	CONNECTOR		LT-13-000385	New	1
	W/CONTACTS				
MS3121F12-10P	CONNECTOR		LT-12-018608	New	1
MS3126E12-10S	CONNECTOR		LT-12-011836	New	1
MS3121F12-10PW	CONNECTOR		LT-13-000384	New	1
MS3126E12-10SW	CONNECTOR		LT-11-013312	New	1
LED-40-17-HK-35402	INDICATOR ASSEMBLY -		LT-12-008294	New	1
	MASTER CAUTION				
LED-40-17-HK-E05HM	LED AR1 ENGINE, FIRE 1		LT-12-013085	New	1
LED-40-17-HK-E05HN	LED AR1 ENGINE, FIRE 2		LT-12-013072	New	1
18-200	QUIK CONNECT		LT-11-015532	New	2
18-200	QUIK CONNECT		LT-12-013079	New	1
MS3474W20-41P	CONNECTOR		LT-12-018609	New	1
MS3476W20-41S	CONNECTOR		LT-12-016553	New	1
M85049/52S-20W	BACKSHELL		LT-12-016552	New	2
MS3121F8-33P	CONNECTOR		LT-11-010258	New	1
MS3126E8-33S	CONNECTOR		LT-13-000383	New	1
MS3121F8-33PW	CONNECTOR		LT-11-010259	New	1
MS3126E8-33SW	CONNECTOR		LT-12-011944	New	1
D3705-11	INSTRUMENT FACE PLATE		LT-13-000217	New	1
	REV E				
18-258	PANEL PLUG BLACK		LT-12-013080	New	1
M22759/41-22-9	WIRE		LT-12-017362	New	375
M22759/41-20-9	WIRE		LT-12-012212	New	97
XPF-1/2	EXPANDABLE SLEEVING		LT-12-012590	New	15
XPF-1/4	EXPANDABLE SLEEVING		LT-12-008825	New	13
XPF-1/8	EXPANDABLE SLEEVING		LT-12-008828	New	3

\* End of Report \*

\*\*\*\*\* Original Maintenance Releases and Independent Control Inspection details are stored electronically at \*\*\*\*\*

\*\*\*\*\* Eagle Copters Maintenance Ltd. in Calgary Alberta in the Corridor Software \*\*\*\*\*

**Eagle Copters Maintenance Ltd**

823 McTavish Road, NE Calgary, Alberta T2E 7G9

TCCAAMO Approval No. 6-81

**Lot No: LT-13-000802.1**



**Bin No: WO 49885**

**RECEIVED: 01/16/2013 (**

**Part No: D412-761-111**

Description: WIRING HARNESS KIT

SERIAL #:

Condition: Inspected

Cure Date:

Manufacturer: Dart Aerospace (Manufacturer)

Model No: 412

	<u>Cycles</u>	<u>Hours</u>
Total Time:	_____	_____
TSO:	_____	_____
Time Remaining :	_____	_____

Details of work performed/reason for removal

**Receiving Inspection**

Additional work to be performed upon installation

January 16, 2013

LIC No./Stamp

Inspector

